

WHAT IS CLAIMED IS:

*SubB17* 1. A method of driving a plasma display device applying a first voltage between sustain discharge electrodes so as to perform discharge in a display cell, comprising:

a removal step of removing wall charges formed, by sustain discharge performed between said sustain discharge electrodes, on an address electrode for selecting said display cell.

2. The method according to claim 1, wherein said removal step comprises a wall charge formation step of applying a second voltage to at least one of said sustain discharge electrodes and a self-erase step of applying a third voltage to said address electrode, and

said second voltage is a voltage for forming, on said address electrode by sustain discharge performed between said sustain discharge electrodes, wall charges capable of self-erase discharge performed between said address electrode and at least one of said sustain discharge electrodes in said self-erase step.

3. The method according to claim 2, wherein said wall charge formation step, said second voltage is applied to one of said sustain discharge electrodes, and the other electrode is set at ground level.

4. The method according to claim 2, wherein said wall charge formation step, said second voltage is

applied to one of said sustain discharge electrodes, and then said second voltage is applied to the other electrode.

~~6.~~ 5. The method according to claim 1, wherein said removal step is arranged between subfields each comprising a reset step, a address step, a sustain discharge step.

~~8~~ 6. A method of driving a plasma display device applying a first voltage between sustain discharge electrodes so as to perform discharge in a display cell, wherein

31 after sustain discharge is performed between said sustain discharge electrodes, a second voltage that is a voltage twice a power supply voltage for generating a pulse for sustain discharge is applied to at least one of said sustain discharge electrodes, and during or after applying said second voltage, a third voltage is applied to an address electrode for selecting said display cell.

~~9~~ 7. The method according to claim ~~6~~, wherein said sustain discharge electrodes comprise X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and said second voltage is applied to the X-electrode.

~~10~~ 8. The method according to claim ~~6~~, wherein said sustain discharge electrodes comprise

X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and said second voltage is applied to the Y-electrode.

11. The method according to claim 8, wherein said sustain discharge electrodes comprise X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and said second voltage is applied to the Y-electrode, and then, said second voltage is applied to the X-electrode.

12. The method according to claim 8, wherein said sustain discharge electrodes comprise X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and

13. A method of driving a plasma display device applying a first voltage between sustain discharge electrodes so as to perform discharge in a display cell, wherein

a second voltage that is a voltage twice a power

supply voltage for generating a pulse for sustain discharge is applied to at least one of said sustain discharge electrodes as a final pulse for sustain discharge performed between said sustain discharge electrodes, and during or after applying said second voltage, a third voltage is applied to an address electrode for selecting said display cell.

*14*. The method according to claim *11*, wherein  
said sustain discharge electrodes comprise  
X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and  
said second voltage is applied to the X-electrode.

*15*. The method according to claim *11*, wherein  
said sustain discharge electrodes comprise  
X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and  
said second voltage is applied to the Y-electrode.

*16*. The method according to claim *11*, wherein  
said sustain discharge electrodes comprise  
X-electrodes which are driven by sustain discharge pulse simultaneously, and Y-electrodes which are driven by sustain discharge pulse simultaneously and driven by scanning pulse separately, and  
said second voltage is applied to the Y-electrode,

and then, said second voltage is applied to the X-electrode.

15. The method according to claim 11, wherein  
said sustain discharge electrodes comprise  
X-electrodes which are driven by sustain discharge  
pulse simultaneously, and Y-electrodes which are  
driven by sustain discharge pulse simultaneously and  
driven by scanning pulse separately, and  
said second voltage is applied to the X-electrode,  
and then, said second voltage is applied to the  
Y-electrode.

16. A plasma display device applying a first  
voltage between sustain discharge electrodes so as to  
perform discharge in a display cell, comprising:  
a control circuit for applying a second voltage  
to at least one of said sustain discharge electrodes  
and applying a third voltage to an address electrode  
for selecting said display cell,

wherein said second voltage is a voltage for  
forming, on said address electrode by sustain  
discharge performed between the sustain discharge  
electrodes, wall charges capable of self-erase  
discharge performed between said address electrode  
and at least one of said sustain discharge electrodes  
by said third voltage.

17. A plasma display device applying a first  
voltage between sustain discharge electrodes so as to  
perform discharge in a display cell, comprising:

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a control circuit for, after sustain discharge is performed between said sustain discharge electrodes, applying a second voltage that is a voltage twice a power supply voltage for generating a pulse for sustain discharge to at least one of said sustain discharge electrodes and during or after applying said second voltage, applying a third voltage to an address electrode for selecting said display cell.